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THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of

Saito *et al.*

Serial Number: 09/698,231

Filed: October 30, 2000

For: LIQUID CRYSTAL DISPLAY DEVICE

Attorney Docket No. HITA.0028

Art Unit: 2871

Examiner:
TON, MINH TOAN T.

Honorable Assistant Commissioner
for Patents
Washington, D.C. 20231

LETTER

Sir:

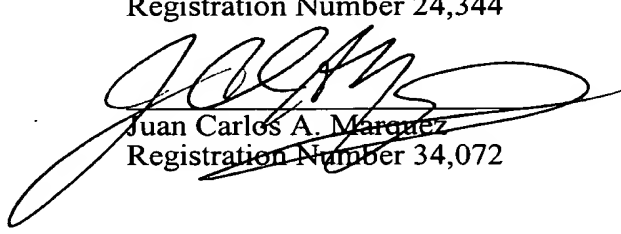
The below-identified communications are submitted in the above-captioned application or proceeding:

- (1) Copy of Request for Certificate of Correction
- (2) Certificate of Correction Form 1050
- (3) Copy of USPTO stamped card dated February 10, 2004 re: 312
Amendment under 37 C.F.R. §1.312
- (4) Copy of Transmittal dated February 10, 2004
re: Amendment under 37 C.F.R. §1.312
- (5) Copy of Amendment under 37 C.F.R. §1.312 dated February 10, 2004
- (6) Copy of U.S. Patent No. US 6,839,100 B1 dated January 4, 2005

- ☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication, including fees under 37 C.F.R. § 1.16 and 1.17 or credit any overpayment to **Deposit Account Number 08-1480**. A duplicate copy of this sheet is attached.

Respectfully submitted,

Stanley P. Fisher
Registration Number 24,344


Juan Carlos A. Marquez
Registration Number 34,072

REED SMITH LLP
3110 Fairview Park Drive
Suite 1400
Falls Church, Virginia 22042
(703) 641-4200
JANUARY 26, 2005

JAN 31 2005



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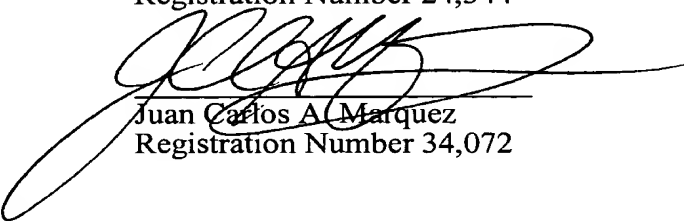
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Examiner:
TON, MINH TOAN T.

REQUEST FOR CERTIFICATE OF CORRECTION

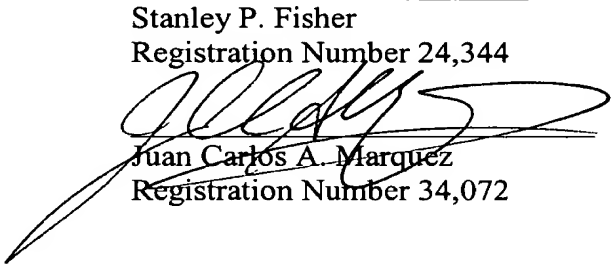
The Applicants hereby attach 1) a copy of Request for Certificate of Correction, 2) Certificate of Correction Form 1050, 3) a copy of USPTO stamped card dated February 10, 2004 re: 312 Amendment under 37 C.F.R. §1.312, 4) a copy of Transmittal dated February 10, 2004 re: Amendment under 37 C.F.R. §1.312, 5) a copy of Amendment under 37 C.F.R. §1.312 dated February 10, 2004 and a copy of U.S. Patent No. US 6,839,100 B1 dated January 4, 2005

JAN 31 2005

Since the correction being requested appears to have resulted from an error on the part of the U.S. Patent and Trademark Office, no fee is deemed to be necessary. However, the Commissioner is hereby authorized to charge payment of any fees associated with this communication, including fees under 37 C.F.R. § 1.16 and 1.17 or credit any overpayment to **Deposit Account Number 08-1480.**

Respectfully submitted,

Stanley P. Fisher
Registration Number 24,344



Juan Carlos A. Marquez
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Suite 1400
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(703) 641-4200
January 26, 2005

Certificate
JAN 31 2005
of Correction

JAN 31 2005

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO. : 6,839,100 B1

DATED : January 4, 2005

INVENTOR(S) : Saito et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Under Detailed Description, Embodiment 3, Column 7, please correct to read by deleting: Silicone Rubber: $1.0 \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$ (at $0 \sim 20^\circ\text{C}$) and replacing with Silicone Rubber: about $0.2 \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$ (at $0 \sim 20^\circ\text{C}$)

MAILING ADDRESS OF SENDER:

Stanley P. Fisher, Esq.
Reed Smith LLP
Suite 1400
3110 Fairview Park Drive
Falls Church, VA 22042

PATENT NO. 6,839,100 B1
No. of additional copies



This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option

JAN 31 2005



REED SMITH, LLP - 3110 Fairview Park Drive, Suite 1400, Falls Church, VA 22042

PATENT APPLICATION
(PENDING)

Serial No.: 09/698,231 Filed: Oct 30, 2000 Atty Docket No.: H17A-0028

Applicant(s): Saito et al

DELIVER TO: ☒ MAIL ROOM ☐ ART UNIT: _____

Special Instructions: _____

The PTO stamp hereon acknowledges receipt of:

- | | | |
|---|---|--|
| <input type="checkbox"/> Amendment/Response | <input type="checkbox"/> Missing Parts Response w/Decl | <input type="checkbox"/> Notice of Appeal |
| <input type="checkbox"/> Claim Calculation sheet | <input type="checkbox"/> Sequence Listing Statement | <input type="checkbox"/> Reply Brief (Triplicate) |
| <input type="checkbox"/> Extension of Time Petn. <input type="checkbox"/> | <input type="checkbox"/> Response to Notice to Comply | <input type="checkbox"/> Appeal Brief (Triplicate) |
| <input type="checkbox"/> Check - \$ _____ | <input type="checkbox"/> Sequence Listing Data & Diskette | <input type="checkbox"/> RCE under 37 CFR § 1.114 |
| <input type="checkbox"/> Issue Fee Transmittal | <input type="checkbox"/> Assignment w/PTO-1595 | <input type="checkbox"/> Request for Refund |
| <input type="checkbox"/> Petition to Commissioner with fee | <input type="checkbox"/> Executed Declaration | <input type="checkbox"/> Letter to Draftsman |
| <input type="checkbox"/> Priority Document(s) | <input type="checkbox"/> Preliminary Amendment | |
| <input type="checkbox"/> Request For Priority | <input type="checkbox"/> Information Discl. Stmt./refs. | |

Check No. _____

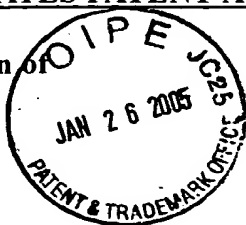


~~X~~ §1.312 Amendment
37 C.F.R.

[Handwritten signature]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of)
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Serial Number: 09/698,231)
Filed: October 30, 2000)
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Attorney Docket No. HITA.0028)



Art Unit: 2871
Examiner:
TON, MINH TOAN T.

Honorable Assistant Commissioner
for Patents
Washington, D.C. 20231

LETTER

Sir:

The below-identified communications are submitted in the above-captioned application or proceeding:

- | | | | |
|--------------------------|--------------------|-------------------------------------|----------------------------------|
| <input type="checkbox"/> | Priority Document | <input checked="" type="checkbox"/> | Amendment under 37 C.F.R. §1.312 |
| <input type="checkbox"/> | Notice of Priority | <input type="checkbox"/> | Notice of Related Applications |
| | | <input type="checkbox"/> | Check for \$0.00 |

- ☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication, including fees under 37 C.F.R. § 1.16 and 1.17 or credit any overpayment to Deposit Account Number 08-1480. A duplicate copy of this sheet is attached.

Respectfully submitted,

Stanley P. Fisher
Registration Number 24,344



Juan Carlos A. Marquez
Registration No. 34,072

REED SMITH LLP
3110 Fairview Park Drive
Suite 1400
Falls Church, Virginia 22042
(703) 641-4200
February 10, 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application of

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Serial Number: 09/698,231

Filed: October 30, 2000

For: LIQUID CRYSTAL DISPLAY DEVICE

Attorney Docket No. HIT A.0028



Art Unit: 2871

Examiner:
TON, MINH TOAN T.

Honorable Assistant Commissioner
for Patents
Washington, D.C. 20231

AMENDMENT UNDER 37 C.F.R. § 1.312

Sir:

Prior to the issuance of the above-referenced allowed application, Applicants respectfully request that this allowed application be amended with the replacement paragraph as follows:

IN THE SPECIFICATION:

Please amend the paragraph and the listing beginning at the bottom of page 10 ending on the top of page 11 as follows:

By the way, thermal conductivity of gas or solid state material is exemplified as follows. Each value of thermal conductivity is based on a unit being defined as W(Watt)/m(meter) • K(Kelvin: temperature)

Air: $2.41 \times 10^{-2} \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$ (at 0°C)

(ditto): $3.41 \times 10^{-2} \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$ (at 100°C)

Nitrogen (N_2): $2.40 \times 10^{-2} \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$ (at 0°C)

(ditto): $3.09 \times 10^{-2} \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$ (at 100°C)

Carbon dioxide (CO_2): $1.45 \times 10^{-2} \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$ (at 0°C)

(ditto): $2.23 \times 10^{-2} \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$ (at 100°C)

Argon (Ar): $1.63 \times 10^{-2} \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$ (at 0°C)

(ditto): $2.12 \times 10^{-2} \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$ (at 100°C)

Glass (Soda): $0.55 \sim 0.75 \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$ (at 0~20°C)

Quartz Glass: $1.4 \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$ (at 0°C)

(ditto): $1.9 \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$ (at 100°C)

Rubber (Soft Rubber): $0.10 \sim 0.20 \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$ (at 0~20°C)

Rubber (Sponge): $0.04 \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$ (at 25°C)

Silicone Rubber: about $0.2 \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$ (at 0~20°C)

Acrylic Resin: $0.17 \sim 0.25 \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$ (at 0~20°C)

Polyethylene: $0.25 \sim 0.34 \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$ (at 0~20°C)

Polystyrene: $0.08 \sim 0.12 \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$ (at 0~20°C)

Asbestos (Textile): $0.1 \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$ (at 0~20°C)

Asbestos (Cotton): $0.06 \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$ (at 0~20°C)

Aluminum: $236 \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$ (at 0°C)

(ditto): $241 \text{ W} \cdot \text{m}^{-1} \cdot \text{K}^{-1}$ (at 100°C)

REMARKS

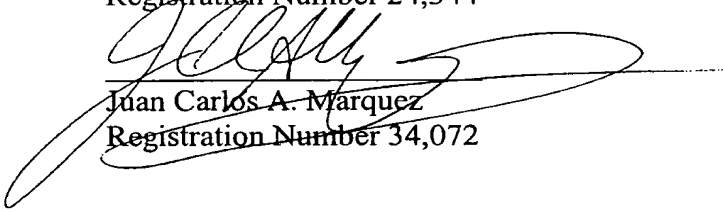
Applicants amended a paragraph and list in the specification. The above amendment to the above-captioned application along with the following remarks are being submitted under 37 C.F.R. § 1.312, wherein the issue fee has already been paid. Applicant hereby submits that no new matter is being introduced into the application through the submission of this amendment.

In addition, Applicant will further submit that the amendment being presented herewith is directed only to correcting a minor typographical error and not to matter that would require substantive reconsideration of the application. In view of the above amendment and the following remarks, the Examiner is respectfully requested to give due consideration to above-outlined amendment, to indicate the allowability of the amendment, and to proceed with the issuance of this allowed application.

Favorable consideration of the above amendment is respectfully solicited. Should there be any outstanding issues requiring discussion that would further the issuance of the above-captioned allowed application, the Examiner is invited to contact the Applicant's undersigned representative at the address and phone number indicated below.

Respectfully submitted,

Stanley P. Fisher
Registration Number 24,344



Juan Carlos A. Marquez
Registration Number 34,072

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3110 Fairview Park Drive, Suite 1400
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February 10, 2004